

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122120\
 Data File : VV019783.D
 Acq On : 21 Dec 2020 18:17
 Operator : SY/MD
 Sample : L5087-07 8X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 22 00:26:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 22 00:24:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	686386	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	644929	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	312476	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	259818	52.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.58%
7) Chloroethane-d5	1.57	69	203303	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.74%
11) 1,1-Dichloroethene-d2	1.99	63	119	0.01	ug/L	-0.12
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.02%#
21) 2-Butanone-d5	3.89	46	351467	131.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.38%#
24) Chloroform-d	4.35	84	443060	49.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.90%
26) 1,2-Dichloroethane-d4	5.04	65	308492	53.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.44%
32) Benzene-d6	5.05	84	895265	52.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.10%
36) 1,2-Dichloropropane-d6	6.07	67	285511	52.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.98%
41) Toluene-d8	7.32	98	777707	50.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.44%
43) trans-1,3-Dichloropropene-	7.62	79	132096	43.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.20%
47) 2-Hexanone-d5	8.09	63	220388	104.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.22%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	350270	48.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.12%
64) 1,2-Dichlorobenzene-d4	11.63	152	279542	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%

Target Compounds

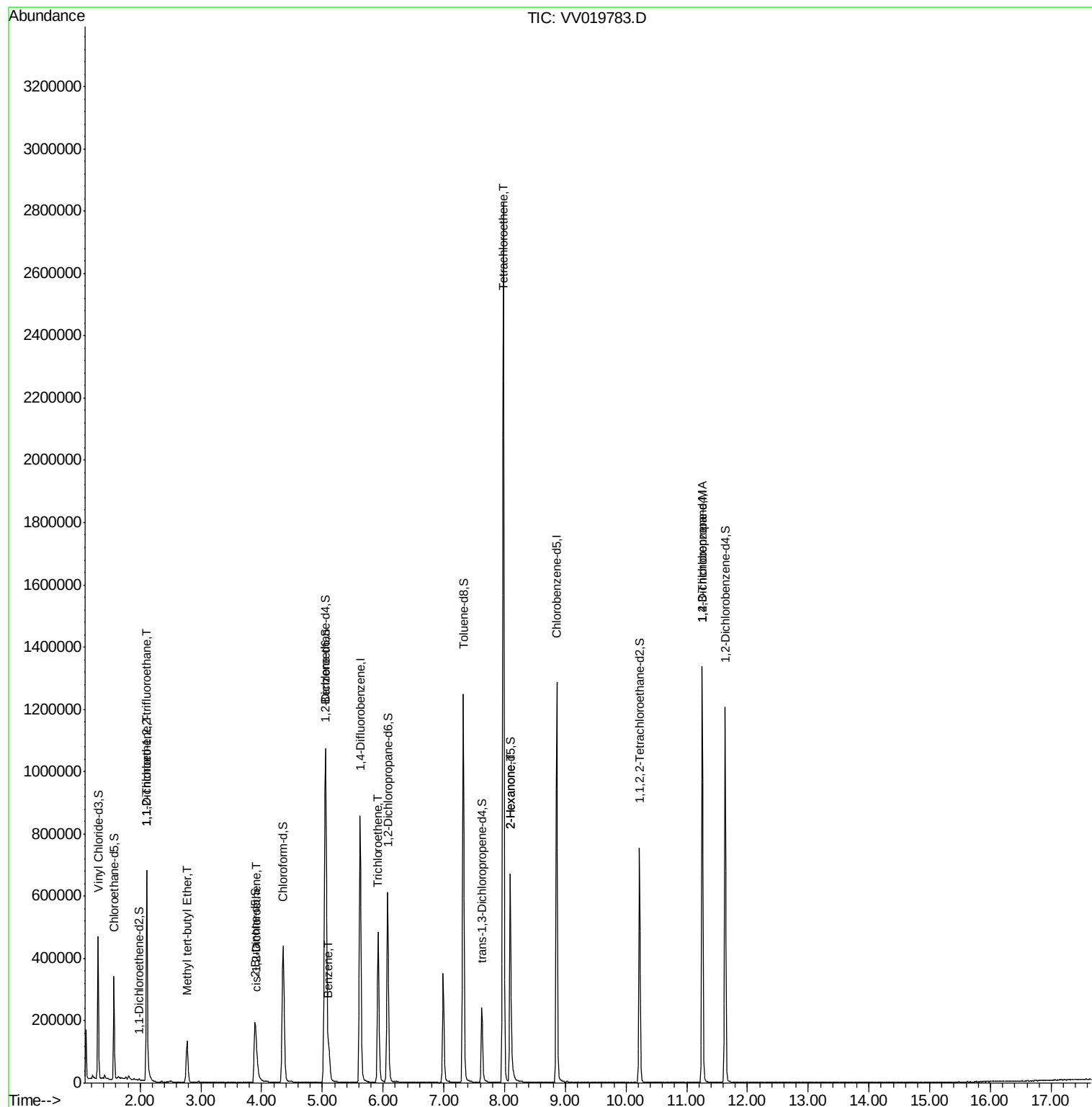
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	3029	0.760	ug/L # 22
12) 1,1-Dichloroethene	2.11	96	4317	1.056	ug/L # 1
18) Methyl tert-butyl Ether	2.77	73	127355	8.132	ug/L 99
20) cis-1,2-Dichloroethene	3.92	96	7877	1.599	ug/L # 94
33) Benzene	5.11	78	109514	5.810	ug/L 100
34) Trichloroethene	5.92	95	165542	33.248	ug/L 99
46) Tetrachloroethene	7.98	164	566625	164.464	ug/L 99
48) 2-Hexanone	8.09	43	28736	5.333	ug/L # 72
59) 1,2,3-Trichloropropane	11.25	75	42990	7.022	ug/L 99

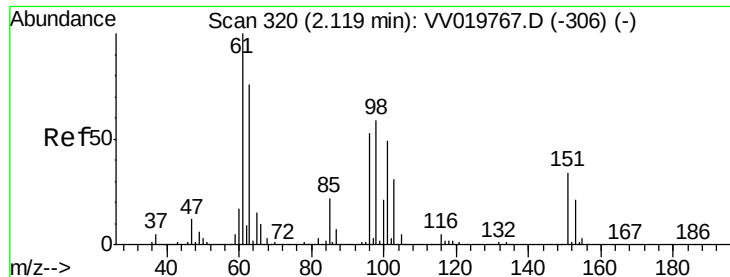
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 22 00:24:34 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.760 ug/L

RT: 2.11 min Scan# 316

Delta R.T. -0.01 min

Lab File: VV019783.D

Acq: 21 Dec 2020 18:17

Instrument :

MSVOA_V

ClientSampled :

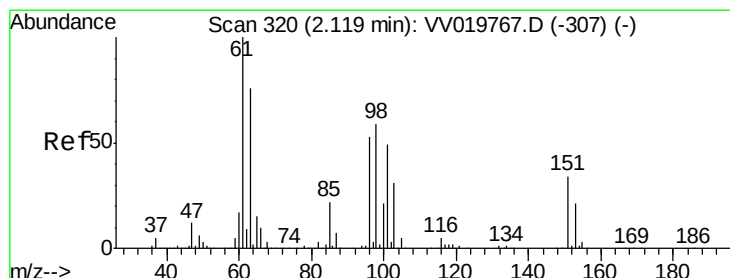
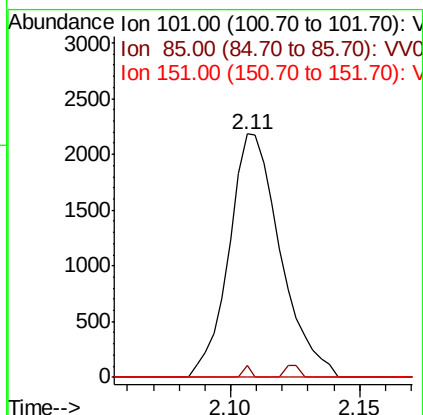
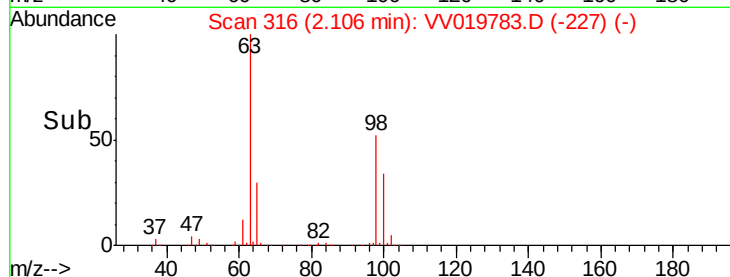
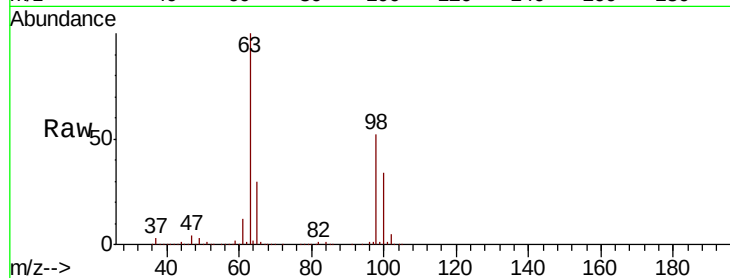
Tot Ion:101 Resp: 3029

Ion Ratio Lower Upper

101 100

85 1.4 35.0 52.4#

151 0.0 55.8 83.8#



#12

1,1-Dichloroethene

Concen: 1.056 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV019783.D

Acq: 21 Dec 2020 18:17

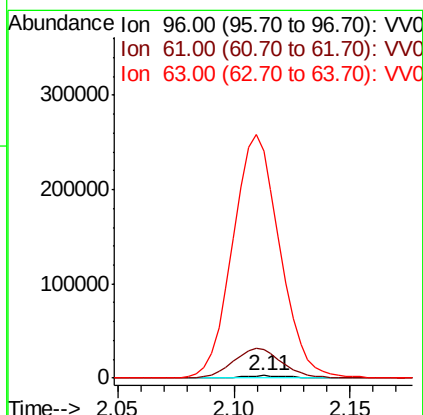
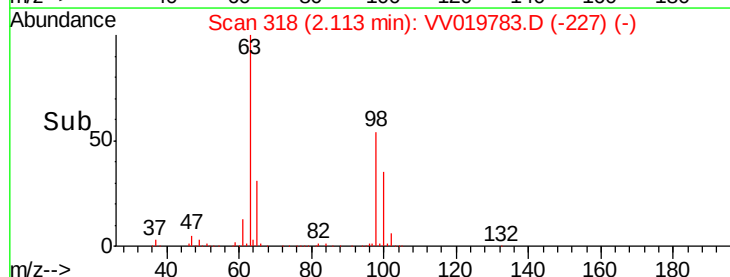
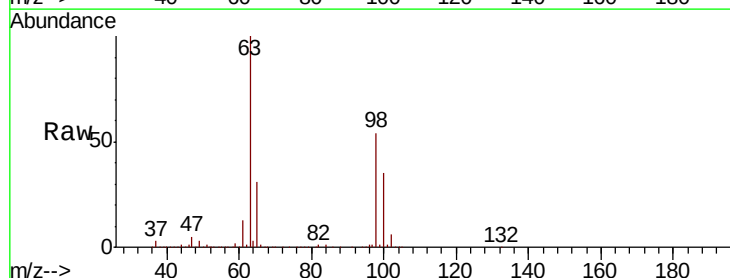
Tgt Ion: 96 Resp: 4317

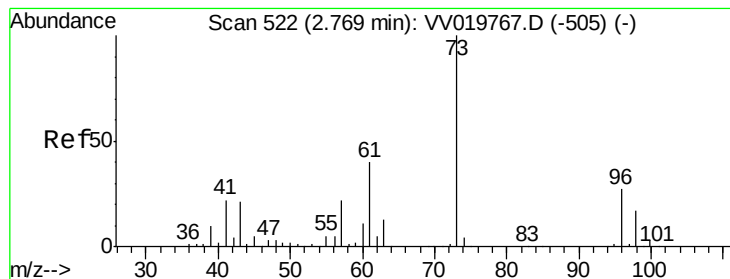
Ion Ratio Lower Upper

96 100

61 1205.5 120.7 224.1#

63 9515.2 64.3 119.5#



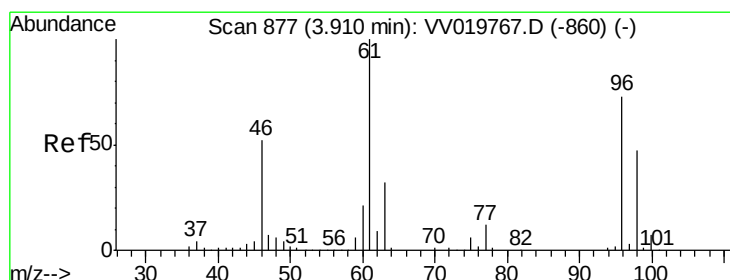
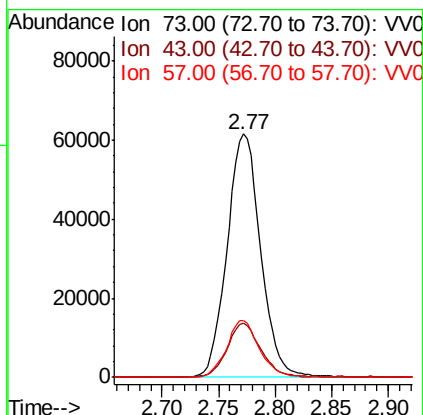
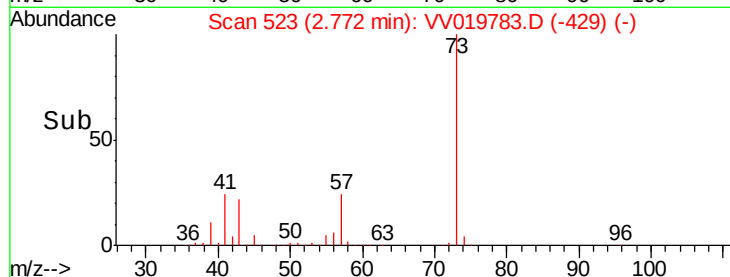
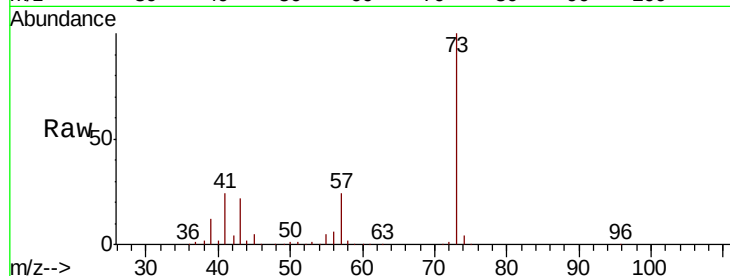


#18

Methyl tert-butyl Ether
 Concen: 8.132 ug/L
 RT: 2.77 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VV019783.D
 Acq: 21 Dec 2020 18:17

Instrument :
 MSVOA_V
 ClientSampleId :

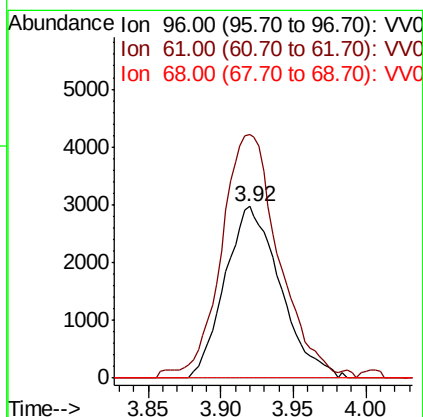
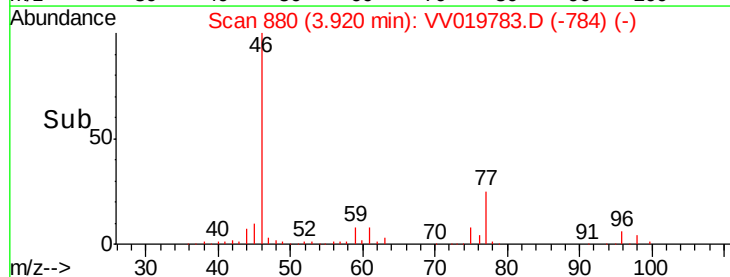
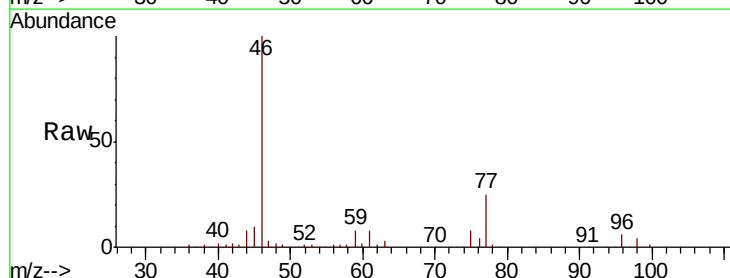
Tot Ion: 73 Resp: 127355
 Ion Ratio Lower Upper
 73 100
 43 21.4 17.3 25.9
 57 23.0 17.5 26.3

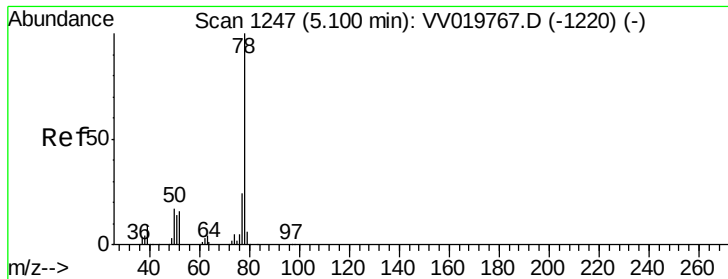


#20

cis-1,2-Dichloroethene
 Concen: 1.599 ug/L
 RT: 3.92 min Scan# 880
 Delta R.T. 0.01 min
 Lab File: VV019783.D
 Acq: 21 Dec 2020 18:17

Tgt Ion: 96 Resp: 7877
 Ion Ratio Lower Upper
 96 100
 61 141.8 94.1 174.8
 68 0.0 0.1 0.1#





#33

Benzene

Concen: 5.810 ug/L

RT: 5.11 min Scan# 1249

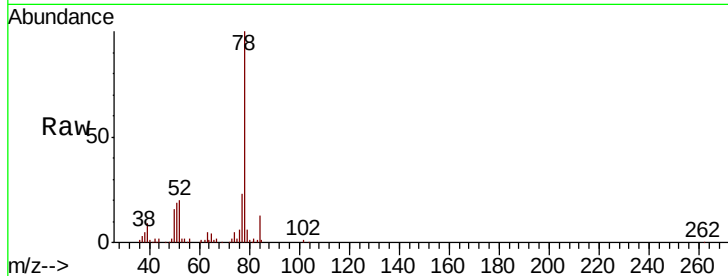
Delta R.T. 0.01 min

Lab File: VV019783.D

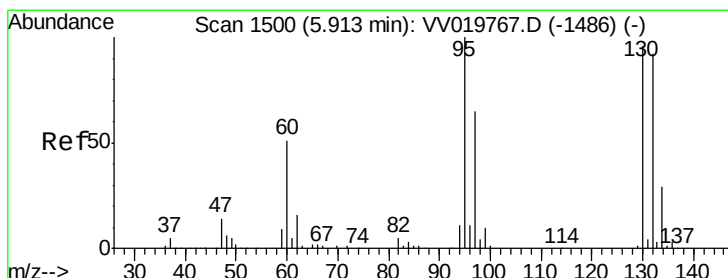
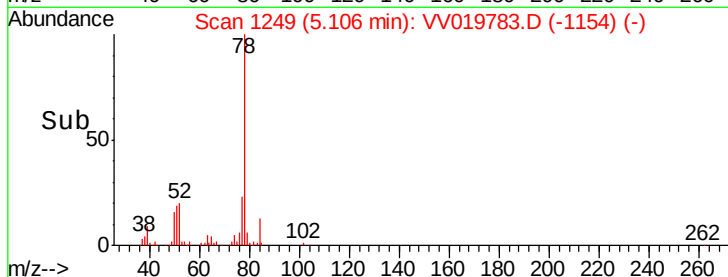
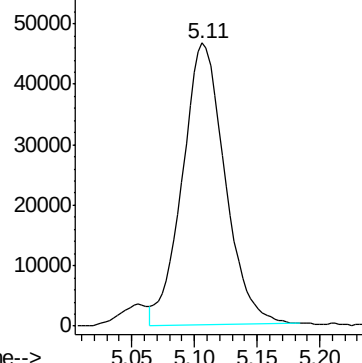
Acq: 21 Dec 2020 18:17

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 109514



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 33.248 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.01 min

Lab File: VV019783.D

Acq: 21 Dec 2020 18:17

Tgt Ion: 95 Resp: 165542

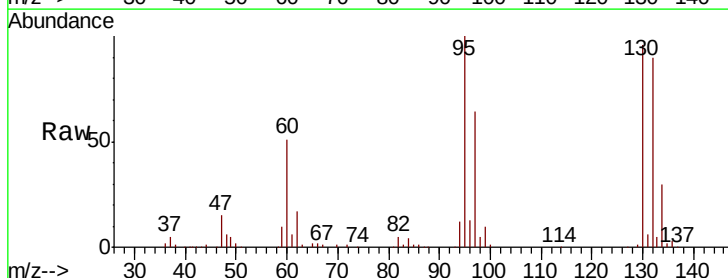
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.4	82.4
132	89.9	64.3	119.3
130	96.3	67.8	125.8

Ion 95.00 (94.70 to 95.70): VV0

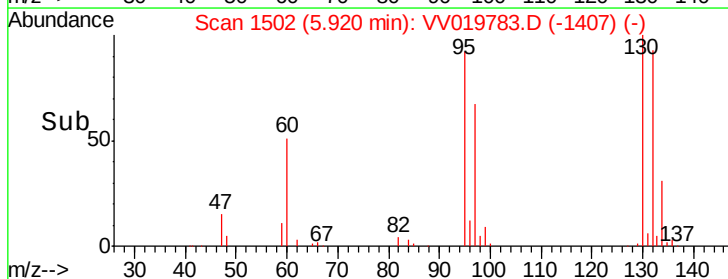
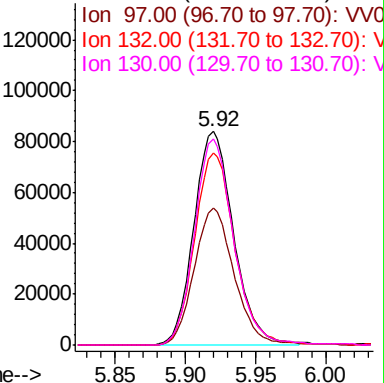
Ion 97.00 (96.70 to 97.70): VV0

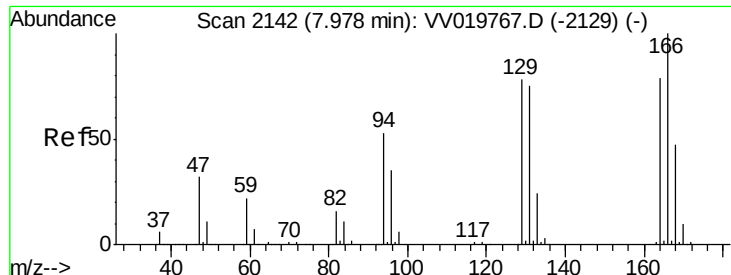
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



Abundance Ion 95.00 (94.70 to 95.70): VV0





#46

Tetrachloroethene

Concen: 164.464 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019783.D

Acq: 21 Dec 2020 18:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 566625

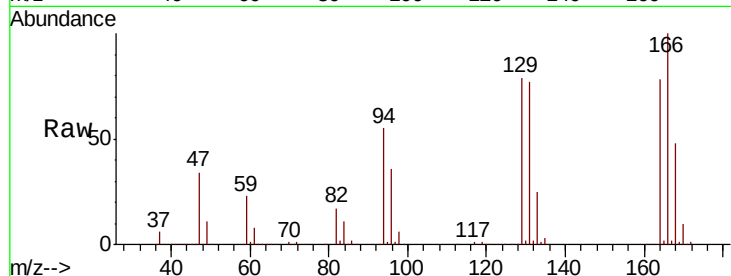
Ion Ratio Lower Upper

164 100

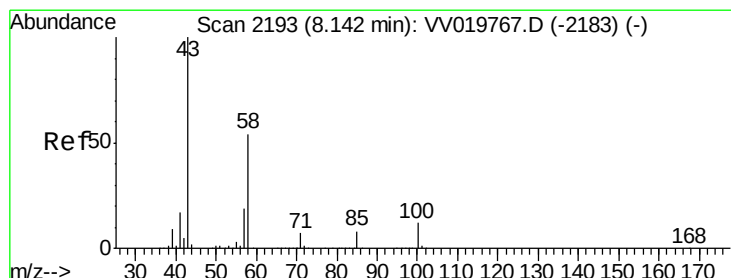
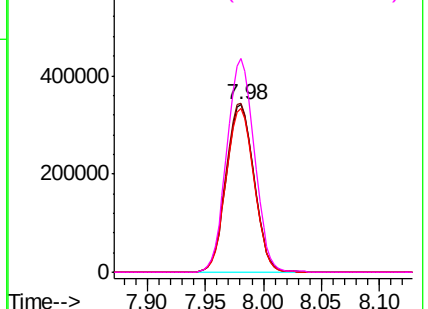
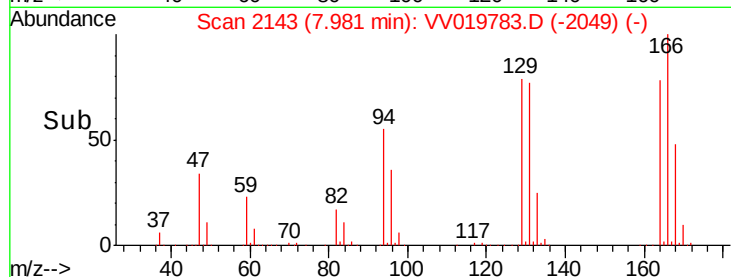
129 101.2 70.6 131.0

131 97.8 68.0 126.4

166 127.5 86.9 161.5



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.333 ug/L

RT: 8.09 min Scan# 2178

Delta R.T. -0.05 min

Lab File: VV019783.D

Acq: 21 Dec 2020 18:17

Tgt Ion: 43 Resp: 28736

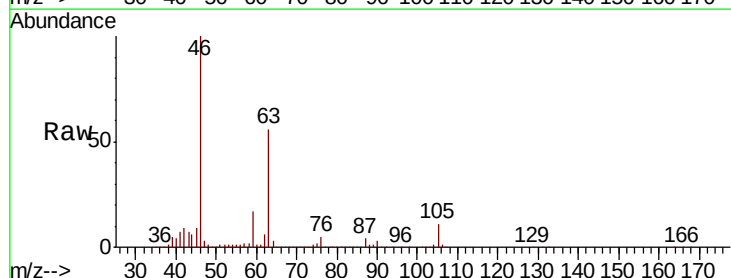
Ion Ratio Lower Upper

43 100

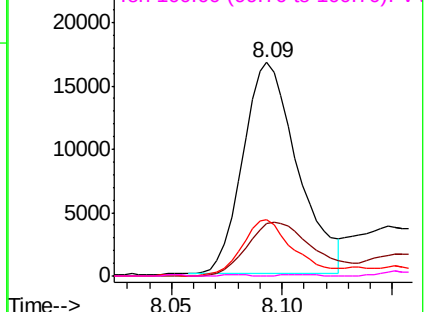
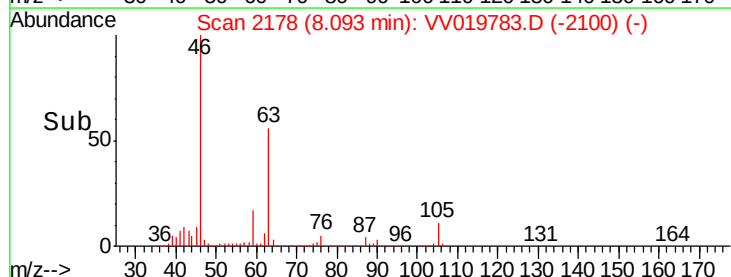
58 31.0 44.4 66.6#

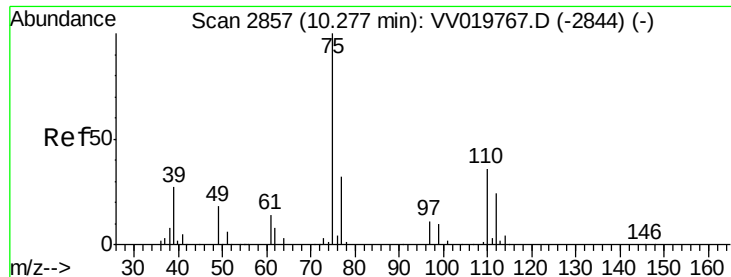
57 25.0 15.7 23.5#

100 0.5 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 7.022 ug/L

RT: 11.25 min Scan# 3161

Delta R.T. 0.98 min

Lab File: VV019783.D

Acq: 21 Dec 2020 18:17

Instrument :

MSVOA_V

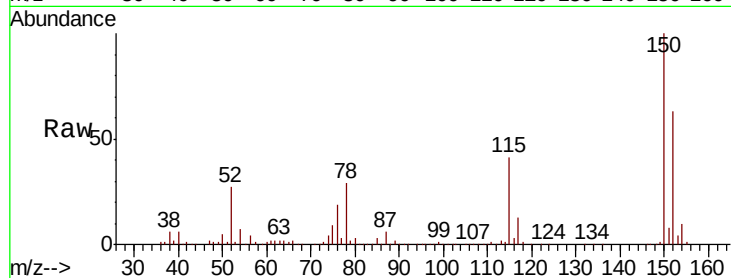
ClientSampleId :

Tot Ion: 75 Resp: 42990

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

